10

What is claimed is:

- 1. A string for completing a well, the string comprising:
 - a base pipe comprising a hole;
 - at least one packer in mechanical communication with said base pipe;
 - at least one screen in mechanical communication with said base pipe, wherein said at least one screen is proximate the hole in said base pipe;
 - an isolation pipe concentric within said base pipe and proximate to the hole in said base pipe, wherein an annulus is defined between said base pipe and said isolation pipe; and
 - an annulus-to-annulus valve in mechanical communication with said base pipe and said isolation pipe.
- 2. The string of claim 1, wherein the annulus-to-annulus valve is a pressure activated valve.
- 3. The string of claim 1, further comprising an annulus-to-interior valve in mechanical communication with said isolation pipe.
- 15 4. The string of claim 3, wherein the annulus-to-interior valve comprises a pressure activated control mechanism which reconfigures the annulus-to-interior valve between a locked-closed configuration and an unlocked-closed configuration.
 - 5. The string of claim 1, further comprising an isolation valve in mechanical communication with said isolation pipe.
- 20 6. The string of claim 1, further comprising a cross-over valve in mechanical communication with said base pipe.

10

15

- 7. A system for completing a well, said system comprising:
 - a first string comprising: a first base pipe comprising a hole, at least one first packer in mechanical communication with the first base pipe, at least one first screen in mechanical communication with the first base pipe, wherein the at least one first screen is proximate the hole in the first base pipe, a first isolation pipe concentric within the first base pipe and proximate to the hole in the first base pipe, wherein a first annulus is defined between the first base pipe and the first isolation pipe, and a first annulus-to-annulus valve in mechanical communication with the first base pipe and the first isolation pipe; and
 - a second string which is stingable into said first string, said second string comprising: a second base pipe comprising a hole, at least one second screen in mechanical communication with the second base pipe, wherein the at least one second screen is proximate the hole in the second base pipe, a second isolation pipe concentric within the second base pipe and proximate to the hole in the second base pipe, wherein a second annulus is defined between the second base pipe and the second isolation pipe, and a second annulus-to-annulus valve in mechanical communication with the second base pipe and the second isolation pipe.
- 8. The system of claim 7, wherein the first and second annulus-to-annulus valves are pressure activated valves.
- 20 9. The system of claim 7, wherein said first string further comprises an annulus-to-interior valve in mechanical communication with the first isolation pipe.
 - 10. The system of claim 9, wherein the annulus-to-interior valve comprises a pressure activated control mechanism which reconfigures the annulus-to-interior valve between a locked-closed configuration and an unlocked-closed configuration.
- 25 11. The system of claim 7, wherein said second string further comprises an annulus-tointerior valve in mechanical communication with the second isolation pipe.

- 12. The system of claim 11, wherein the annulus-to-interior valve comprises a pressure activated control mechanism which reconfigures the annulus-to-interior valve between a locked-closed configuration and an unlocked-closed configuration.
- 13. The system of claim 7, further comprising a third string which is stingable into said second string, said third string comprising: a third base pipe comprising a hole, at least one third screen in mechanical communication with the third base pipe, wherein the at least one third screen is proximate the hole in the third base pipe, a third isolation pipe concentric within the third base pipe and proximate to the hole in the third base pipe, wherein a third annulus is defined between the third base pipe and the third isolation pipe, and a third annulus-to-annulus valve in mechanical communication with the third base pipe and the third isolation pipe.
- 14. The system of claim 7, further comprising a first and second isolation valves in mechanical communication with the first and second isolation pipes, respectively.
- 15. The system of claim 7, further comprising first and second cross-over valves in mechanical communication with the first and second base pipes, respectively.

10

5

10

15

25

16. A method for completing multiple zones, said method comprising:

setting a first string in a well proximate a first production zone, wherein the first string comprises: a first base pipe comprising a hole, at least one first packer in mechanical communication with the first base pipe, at least one first screen in mechanical communication with the first base pipe, wherein the at least one first screen is proximate the hole in the first base pipe, a first isolation pipe concentric within the first base pipe and proximate to the hole in the first base pipe, wherein a first annulus is defined between the first base pipe and the first isolation pipe, and a first annulus-to-annulus valve in mechanical communication with the first base pipe and the first isolation pipe;

performing at least one completion operation through the first string; isolating the first production zone with the first string; and producing fluids from the first production zone.

- 17. The method of claim 16, wherein said producing comprises opening a valve in mechanical communication with the first isolation pipe, whereby fluid is allowed to flow from the first production zone to an interior of the first base pipe.
- 18. The method of claim 16, wherein said producing comprises opening the first annulus-to-annulus valve, whereby fluid is allowed to flow from the first production zone to an annulus above the first annulus-to-annulus valve.
- 20 19. A method as claimed in claim 16 further comprising:

stinging a second string into the first string and setting the second string proximate a second production zone, wherein the second string comprises: a second base pipe comprising a hole, at least one second screen in mechanical communication with the second base pipe, wherein the at least one second screen is proximate the hole in the second base pipe, a second isolation pipe concentric within the second base pipe and proximate to the hole in the second base pipe, wherein a second annulus is defined between the second base pipe and the second isolation pipe, and a

10

15

20

second annulus-to-annulus valve in mechanical communication with the second base pipe and the second isolation pipe;

performing at least one completion operation through the second string; and producing fluids from the second production zone through the second string.

- 20. The method of claim 19, wherein said producing comprises opening the second annulus-to-annulus valve, whereby fluid is allowed to flow from the second production zone to an annulus above the second annulus-to-annulus valve.
- 21. A method as claimed in claim 19 further comprising:

stinging a third string into the second string and setting the third string proximate a third production zone, wherein the third string comprises: a third base pipe comprising a hole, at least one third screen in mechanical communication with the third base pipe, wherein the at least one third screen is proximate the hole in the third base pipe, a third isolation pipe concentric within the third base pipe and proximate to the hole in the third base pipe, wherein a third annulus is defined between the third base pipe and the third isolation pipe, and a third annulus-to-annulus valve in mechanical communication with the third base pipe and the third isolation pipe:

performing at least one completion operation through the third string; and producing fluids from the third production zone through the third string.

22. The method of claim 21, wherein said producing fluids from the third production zone comprises opening the third annulus-to-annulus valve, whereby fluid is allowed to flow from the third production zone to an annulus above the third annulus-to-annulus valve.